

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|-------|------------------|---------|------------------|
| L1    | 37   | "422".clas. and biosensor and sweeping   | USPAT | OR               | ON      | 2008/09/23 10:45 |
| L2    | 167  | "422".clas. and biosensor and wavelength near4 rang \$4  | USPAT | OR               | ON      | 2008/09/23 10:45 |
| L3    | 2600 | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength)  | USPAT | OR               | ON      | 2008/09/23 10:49 |
| L4    | 402  | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength) and reflective near5 surface   | USPAT | OR               | ON      | 2008/09/23 10:50 |
| L5    | 0    | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength) and reflective near5 surface and "422".clas.   | USPAT | OR               | ON      | 2008/09/23 10:50 |
| L6    | 90   | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength) and reflective near5 surface and ("250" or "435" or "436" or "359").clas.  | USPAT | OR               | ON      | 2008/09/23 10:51 |
| L7    | 5    | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength) and reflective near5 surface and ("250" or "435" or "436" or "359").clas. and (protein or peptide or dna or rna or nucleic adj acid) | USPAT | OR               | ON      | 2008/09/23 10:53 |

|     |      |   |       |    |    |                  |
|-----|------|---|-------|----|----|------------------|
| L8  | 4    | (laser near4 (tunable or tuning or tun\$3)) same ((range or sweeping) and wavelength) and reflective near5 surface and ("250" or "435" or "436").clas. and (protein or peptide or dna or rna or nucleic adj acid) | USPAT | OR | ON | 2008/09/23 11:02 |
| L9  | 1    | "4978503".pn.   | USPAT | OR | ON | 2008/09/23 11:19 |
| L10 | 10   | shanks.in. and waveguide  | USPAT | OR | ON | 2008/09/23 11:20 |
| L11 | 3    | ("5120131" "6330064" "6442321").pn.   | USPAT | OR | ON | 2008/09/23 11:21 |
| L12 | 2    | tiefenthaler.in. and (spacing)  | USPAT | OR | ON | 2008/09/23 11:21 |
| L13 | 0    | "5982534".pn. and (temperature or heat \$4)   | USPAT | OR | ON | 2008/09/23 11:26 |
| L16 | 8506 | fluoresc\$ and (heater or temperature) with (sample or specimen) and ("435" or "436" or "422").clas.  | USPAT | OR | ON | 2008/09/23 11:27 |
| L17 | 362  | fluoresc\$ and (heater or heat\$4 near3 element) with (sample or specimen) and ("435" or "436" or "422").clas.  | USPAT | OR | ON | 2008/09/23 11:27 |
| L18 | 299  | fluoresc\$ and (heater or heat\$4 near3 element) with (sample or specimen) and ("435" or "436" or "422").clas. and (dna or rna or protein or peptide or nucleic adj acid)   | USPAT | OR | ON | 2008/09/23 11:28 |

|     |    |  |                        |    |     |                  |
|-----|----|--|------------------------|----|-----|------------------|
| L19 | 20 | fluoresc\$ same(heater or heat\$4 near3 element) with (sample or specimen) and ("435" or "436" or "422").clas. and (dna or rna or protein or peptide or nucleic adj acid)  | USPAT                  | OR | ON  | 2008/09/23 11:29 |
| L20 | 92 | fluoresc\$ and (heater or heat\$4 near3 element) with (sample or specimen) and ("435" or "436" or "422").clas. and (dna or rna or protein or peptide or nucleic adj acid) and (photodetector or photodiode)              | USPAT                  | OR | ON  | 2008/09/23 11:37 |
| L21 | 0  | hezron.in. and (dna or peptide or rna or nucleic adj acid)   | USPAT                  | OR | ON  | 2008/09/23 11:39 |
| L22 | 0  | herzon.in. and (dna or peptide or rna or nucleic adj acid)   | USPAT                  | OR | ON  | 2008/09/23 11:39 |
| L23 | 1  | "5545531".pn. and (heat\$4 or temperature)   | USPAT                  | OR | ON  | 2008/09/23 11:40 |
| L24 | 1  | "5545531".pn. and (heat\$4 or temperature) with sample   | USPAT                  | OR | ON  | 2008/09/23 11:43 |
| L25 | 1  | "4857273".pn.  | USPAT                  | OR | ON  | 2008/09/23 12:10 |
| L26 | 1  | "7384797".pn.  | USPAT                  | OR | ON  | 2008/09/23 12:11 |
| L27 | 16 | ("4857273"   "5244636"   "5340715"   "5344784"   "5347784"   "5434663"   "5525466"   "5742633"   "5745231"   "5766957"   "5824023"   "5835231"   "5943136"   "6020207"   "6210910"   "6333458").PN. OR ("7384797").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/09/23 12:11 |

|     |       |  |                              |    |     |                     |
|-----|-------|--|------------------------------|----|-----|---------------------|
| L28 | 3     | 27 and (spacing)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>12:18 |
| L29 | 12282 | (resonan\$4 or resona<br>\$5) near6 (optical or<br>cavity) and (reflect\$4<br>near4 (surface or layer<br>\$4))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/09/23<br>12:20 |
| L30 | 6985  | (resonan\$4 or resona<br>\$5) near6 (optical or<br>cavity) and (reflect\$4<br>near4 (surface or layer<br>\$4))   | USPAT                        | OR | ON  | 2008/09/23<br>12:22 |
| L31 | 3515  | (resonan\$4 or resona<br>\$5) near6 (optical or<br>cavity) and (reflect\$4<br>near4 (surface or layer<br>\$4)) and (spacing or<br>stage)   | USPAT                        | OR | ON  | 2008/09/23<br>12:23 |
| L33 | 941   | (resonan\$4 or resona<br>\$5) near6 (optical or<br>cavity) and (reflect\$4<br>near4 (surface or layer<br>\$4)) and (space or<br>spacing or gap) with<br>(drive or motor or<br>controller or control\$4)  | USPAT                        | OR | ON  | 2008/09/23<br>12:25 |
| L34 | 94    | (resonan\$4 or resona<br>\$5) near6 (optical or<br>cavity) and (reflect\$4<br>near4 (surface or layer<br>\$4)) and (space or<br>spacing or gap) with<br>(drive or motor or<br>controller or control\$4)<br>and ("422" or "435" or<br>"436" or "356").clas. | USPAT                        | OR | ON  | 2008/09/23<br>12:25 |
| L35 | 457   | array with (resonan\$4<br>or resona\$4) near3<br>cavity  | USPAT                        | OR | ON  | 2008/09/23<br>12:31 |
| L36 | 149   | array with (resonan\$4<br>or resona\$4) near3<br>cavity and (reflective<br>near5 (surface or layer<br>\$4))  | USPAT                        | OR | ON  | 2008/09/23<br>12:31 |

|     |     |  |       |    |    |                  |
|-----|-----|--|-------|----|----|------------------|
| L37 | 51  | array near5 (resonan\$4 or resona\$4) near3 cavity and (reflective near5 (surface or layer \$4))   | USPAT | OR | ON | 2008/09/23 12:31 |
| L38 | 1   | (resonant or resona\$4) near4 cavity near3 (biosensor or biosens\$4 or bio\$1sens\$4)  | USPAT | OR | ON | 2008/09/23 12:33 |
| L39 | 384 | (resonant or resona\$4) near3 (biosensor or biosens\$4 or bio\$1sens\$4)   | USPAT | OR | ON | 2008/09/23 12:34 |
| L40 | 211 | (resonant or resona\$4) near3 (biosensor or biosens\$4 or bio\$1sens\$4) and ("435" or "436" or "422").clas.   | USPAT | OR | ON | 2008/09/23 12:34 |
| L41 | 7   | (resonant or resona\$4) near3 (biosensor or biosens\$4 or bio\$1sens\$4) and ("435" or "436" or "422").clas. and stage with (sample)   | USPAT | OR | ON | 2008/09/23 12:34 |
| L42 | 3   | (resonant or resona\$4) near3 (biosensor or biosens\$4 or bio\$1sens\$4) and ("435" or "436" or "422").clas. and (spacing or gap or space) with (drive or motor or controller or control\$4) | USPAT | OR | ON | 2008/09/23 12:35 |
| L43 | 8   | (resonant or resona\$4) near3 (biosensor or biosens\$4 or bio\$1sens\$4) and ("435" or "436" or "422").clas. and (spacing or gap or space) with (adjust\$4 or control\$4 or vary\$4)         | USPAT | OR | ON | 2008/09/23 12:44 |
| L44 | 290 | (biosensor or biosens\$4 or bio\$1sens\$4) and ("435" or "436" or "422").clas. and (spacing or gap or space) with (adjust\$4 or control\$4 or vary\$4)                                       | USPAT | OR | ON | 2008/09/23 12:45 |

|     |     |  |                              |    |     |                     |
|-----|-----|--|------------------------------|----|-----|---------------------|
| L45 | 337 | (biosensor or biosens<br>\$4 or bio\$1sens\$4)<br>and ("435" or "436" or<br>"422").clas. and<br>(spacing or gap or<br>space or cavity) with<br>(adjust\$4 or control\$4<br>or vary\$4)   | USPAT                        | OR | ON  | 2008/09/23<br>12:45 |
| L46 | 63  | (biosensor or biosens<br>\$4 or bio\$1sens\$4)<br>and ("435" or "436" or<br>"422").clas. and<br>(spacing or gap or<br>space or cavity) with<br>(adjust\$4 or control\$4<br>or vary\$4) and<br>(photodetector or<br>photodiode)   | USPAT                        | OR | ON  | 2008/09/23<br>12:46 |
| L47 | 3   | ("5640237" "6143247"<br>"6287874").pn.   | USPAT                        | OR | ON  | 2008/09/23<br>12:48 |
| L48 | 63  | affinity near3 detect\$4<br>and (resonan\$4) with<br>biosensor   | USPAT                        | OR | ON  | 2008/09/23<br>12:51 |
| L49 | 22  | affinity near3 detect\$4<br>and (resonan\$4) with<br>biosensor and (reflect<br>\$4 near3 (surface of<br>layer))  | USPAT                        | OR | ON  | 2008/09/23<br>12:52 |
| L50 | 26  | affinity near3 detect\$4<br>and (resonan\$4) with<br>biosensor and (reflect<br>\$4 near3 (surface of<br>layer) or mirror)  | USPAT                        | OR | ON  | 2008/09/23<br>12:52 |
| L51 | 134 | ("20020018610"  <br>"20020123050"  <br>"20020127565"  <br>"20020135752"  <br>"20020168295"  <br>"20020171045"  <br>"20030003599"  <br>"20030017581"  <br>"20030027327"  <br>"20030027328"  <br>"20030059855"  <br>"20030068657"  <br>"20030092075"  <br>"20030113766"  <br>"20030148542"  <br>"20030210396"  <br>"20040011965" | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>12:54 |

"20040132172" |  
"20040151626" |  
"3689346" | "3810688"  
| "3856404" |  
"3856604" | "4009933"  
| "4050895" |  
"4240751" | "4289371"  
| "4344438" |  
"4420502" | "4536608"  
| "4560248" |  
"4576850" | "4608344"  
| "4650329" |  
"4652290" | "4668558"  
| "4701008" |  
"4810658" | "4815843"  
| "4818710" |  
"4857273" | "4876208"  
| "4882288" |  
"4888260" | "4931384"  
| "4952056" |  
"4958895" | "4992385"  
| "4999234" |  
"5071248" | "5118608"  
| "5155785" |  
"5156785" | "5170448"  
| "5175030" |  
"5210404" | "5229614"  
| "5242828" |  
"5268782" | "5310686"  
| "5337183" |  
"5413884" | "5442169"  
| "5455178" |  
"5475780" | "5478527"  
| "5478756" |  
"5492840" | "5496701"  
| "5559338" |  
"5598267" | "5598300"  
| "5606170" |  
"5615052" | "5629214"  
| "5631171" |  
"5690894" | "5691846"  
| "5732173" |  
"5738825" | "5768461"  
| "5771328" |  
"5792411" | "5801390"  
| "5804453" |  
"5814516" | "5814524"  
| "5821343" |  
"5846843" | "5864641"  
| "5922550" |  
"5925878" | "5955335"  
| "5955378" |  
"5986762" | "5991480"

|     |     |   |                              |    |     |                     |
|-----|-----|---|------------------------------|----|-----|---------------------|
|     |     | "5994150"  <br>"6035089"   "6052213"<br>  "6076248"  <br>"6088505"   "6100991"<br>  "6128431"  <br>"6146593"   "6174677"<br>  "6185019"  <br>"6200737"   "6215928"<br>  "6218194"  <br>"6235488"   "6303179"<br>  "6316153"  <br>"6320991"   "6338968"<br>  "6340598"  <br>"6346376"   "6377721"<br>  "6404554").PN. OR<br>("6449097"  <br>"6558957"   "6570657"<br>  "6579673"  <br>"6587276"   "6661952"<br>  "6707561"  <br>"6748138"   "6902703"<br>  "RE33064"  <br>"RE37473").PN. OR<br>("7153702").URPN. |                              |    |     |                     |
| L52 | 17  | 51 and (spacing or<br>space or gap or cavity)<br>with (vary\$4 or control<br>\$4 or adjust\$4)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>12:55 |
| L53 | 248 | biosensor and (sampl<br>\$4) near3 stag\$4  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>12:56 |
| L54 | 53  | biosensor and (sampl<br>\$4) near3 stag\$4 and<br>(spacing or space or<br>gap or cavity) with<br>(vary\$4 or control\$4 or<br>adjust\$4)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>12:57 |
| L55 | 1   | "20060182659".pn.<br>and photodetector<br>near2 array   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/09/23<br>14:53 |
| L57 | 64  | biosensor same resona<br>\$5 near3 (well or<br>cavity)  | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>14:54 |
| L60 | 1   | "20060182659".pn.<br>and photodetector<br>near2 array with detect<br>\$4  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/09/23<br>14:55 |
| L61 | 1   | "20060182659".pn.<br>and channel  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/09/23<br>14:57 |



|     |       |   |                              |    |     |                     |
|-----|-------|---|------------------------------|----|-----|---------------------|
| L62 | 1     | "20060182659".pn.<br>and channel with fluid   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/09/23<br>14:58 |
| L63 | 15813 | resonan\$4 near3 cavity   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:19 |
| L66 | 634   | resonan\$4 near3 cavity<br>with (reflective near3<br>(surface of layer\$4))   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:25 |
| L67 | 100   | resonan\$4 near3 cavity<br>with (reflective near3<br>(surface of layer\$4))<br>and (photodetector or<br>photodiode)   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:28 |
| L68 | 4     | resonan\$4 near3 cavity<br>with (reflective near3<br>(surface of layer\$4))<br>and (photodetector or<br>photodiode) and (dna<br>or protein or peptide or<br>nucleic adj acid) | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:31 |
| L69 | 5     | resonan\$4 near3 cavity<br>with (reflective near3<br>(surface of layer\$4))<br>and (dna or protein or<br>peptide or nucleic adj<br>acid)                                      | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:33 |
| L70 | 428   | array near5 (cell or<br>cavity) near6 resona\$6   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:35 |
| L71 | 247   | array near3 (cell or<br>cavity) near4 resona\$6   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/23<br>15:35 |
| L72 | 146   | array near3 (cell or<br>cavity) near4 resona\$6   | USPAT                        | OR | ON  | 2008/09/23<br>15:35 |
| L73 | 1     | biochip with resonan\$4<br>near3 (cavity or cell)   | USPAT                        | OR | ON  | 2008/09/23<br>15:36 |
| L74 | 4     | array near3 (cell or<br>cavity) near4 resona\$6<br>and ("422" or "435" or<br>"436").clas.   | USPAT                        | OR | ON  | 2008/09/23<br>15:37 |
| L75 | 10    | ("5437840"  <br>"5514596"   "5744902"<br>  "5835231"  <br>"5866430"   "5907765"<br>  "5910286").PN. OR<br>("6777244").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>15:38 |
| L76 | 1     | ("5744902" "6777244").<br>pn. and fluoresc\$  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>15:47 |

|     |   |   |                              |    |     |                     |
|-----|---|---|------------------------------|----|-----|---------------------|
| L77 | 1 | "20020068018".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>15:52 |
| L78 | 1 | "20020068018".pn.<br>and applied                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:01 |
| L79 | 1 | "20020068018".pn.<br>and resona\$5                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:02 |
| L80 | 1 | "5835231".pn.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:03 |
| L81 | 9 | 75 and (cavity or<br>cavities)                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:18 |
| L82 | 1 | "20020068018".pn.<br>and (detect\$4)                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:22 |
| L83 | 1 | "20020068018".pn.<br>and (detect\$4) with<br>array        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:23 |
| L84 | 1 | "20020068018".pn.<br>and (photodetector or<br>photodiode) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:23 |
| L86 | 1 | "20060182659".pn.<br>and (photodetector)<br>with array    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:24 |
| L87 | 1 | "20020068018".pn.<br>and (infra\$red or ir)               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:41 |
| L88 | 0 | "20020068018".pn.<br>and (laser with tun\$4)              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:43 |
| L89 | 1 | "20020068018".pn.<br>and (temperature or<br>heat\$4)      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/23<br>16:44 |
| S1  | 2 | ("5982534" "4857273").<br>pn.                             | USPAT                        | OR | OFF | 2008/09/17<br>11:15 |

|     |     |   |                              |    |     |                     |
|-----|-----|---|------------------------------|----|-----|---------------------|
| S2  | 23  | ("2039219"  <br>"3432275"   "3705000"<br>  "3879106"  <br>"4896966"   "4906083"<br>  "5033834"  <br>"5315375"   "5326398"<br>  "5417576"  <br>"5545561"  <br>"5665599").PN. OR<br>("5982534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/17<br>11:16 |
| S4  | 1   | "5982534".pn. and<br>detect\$4  | USPAT                        | OR | ON  | 2008/09/17<br>12:02 |
| S5  | 0   | "5982534".pn. and<br>resonan\$4   | USPAT                        | OR | ON  | 2008/09/17<br>12:23 |
| S6  | 1   | "20060182659".pn.   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/17<br>12:41 |
| S7  | 155 | cunningham.in. and<br>resonan\$4  | USPAT                        | OR | ON  | 2008/09/17<br>12:43 |
| S8  | 41  | cunningham.in. and<br>resonan\$4 and ("435"<br>or "436" or "422").clas.   | USPAT                        | OR | ON  | 2008/09/17<br>12:44 |
| S9  | 23  | cunningham.in. and<br>resonan\$4 and ("435"<br>or "436" or "422").clas.<br>and (bio\$sensor or<br>biosensor)  | USPAT                        | OR | ON  | 2008/09/17<br>12:45 |
| S10 | 2   | (resonan\$4 near5<br>cavity) with (bio\$sens\$<br>or biosensor or bio<br>\$1sens\$4)  | USPAT                        | OR | ON  | 2008/09/17<br>12:50 |
| S11 | 10  | (resonan\$4 near5<br>cavity) same (bio\$sens<br>\$ or biosensor or bio<br>\$1sens\$4)   | USPAT                        | OR | ON  | 2008/09/17<br>12:50 |
| S12 | 1   | "20060182659".pn.<br>and regions near5<br>array   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/17<br>14:46 |
| S13 | 1   | "20060182659".pn.<br>and resonant adj cavity  | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/17<br>14:47 |
| S16 | 1   | "20060182659".pn.<br>and (sweep\$4 or swep<br>\$4)  | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/19<br>10:47 |
| S17 | 1   | "20060182659".pn.<br>and tun\$4 near3 laser   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/19<br>10:49 |
| S18 | 1   | "20060182659".pn.<br>and discrete   | US-PGPUB;<br>USPAT           | OR | ON  | 2008/09/19<br>10:58 |

|     |       |  |                    |    |    |                     |
|-----|-------|--|--------------------|----|----|---------------------|
| S19 | 1     | "20060182659".pn.<br>and spacing   | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>11:05 |
| S20 | 180   | (biochip or bio\$1chip)<br>same mirror   | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>11:11 |
| S21 | 60    | (biochip or bio\$1chip)<br>same mirror   | USPAT              | OR | ON | 2008/09/19<br>11:11 |
| S22 | 14    | (biochip or bio\$1chip)<br>same mirror and<br>(cavity or cavities)   | USPAT              | OR | ON | 2008/09/19<br>11:12 |
| S23 | 15    | (biochip or bio\$1chip)<br>same microarray and<br>(reflective or<br>reflecting) near4<br>surface   | USPAT              | OR | ON | 2008/09/19<br>11:15 |
| S24 | 1     | "5982534".pn. and<br>array   | USPAT              | OR | ON | 2008/09/19<br>11:28 |
| S25 | 1     | "5982534".pn. and<br>(laser or ir or infra\$red<br>or infrared)  | USPAT              | OR | ON | 2008/09/19<br>11:56 |
| S26 | 1     | "20060182659".pn.<br>and expander  | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>11:59 |
| S27 | 1     | "20060182659".pn.<br>and expand\$4   | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>11:59 |
| S28 | 1     | "20060182659".pn.<br>and condens\$4  | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>12:01 |
| S29 | 1     | "20060182659".pn.<br>and channel   | US-PGPUB;<br>USPAT | OR | ON | 2008/09/19<br>12:10 |
| S30 | 14921 | ((light or excitation or<br>radiation) near3<br>(source)) near5 (IR or<br>infra\$red)  | USPAT              | OR | ON | 2008/09/22<br>12:07 |
| S31 | 304   | ((light or excitation or<br>radiation) near3<br>(source)) near5 (IR or<br>infra\$red) and "422".<br>clas.                                    | USPAT              | OR | ON | 2008/09/22<br>12:07 |
| S33 | 21    | ((light or excitation or<br>radiation) near3<br>(source)) near5 (IR or<br>infra\$red) and "422".<br>clas. and (bio\$sens\$4<br>or biosensor) | USPAT              | OR | ON | 2008/09/22<br>12:08 |
| S34 | 10278 | (laser near4 (tunable<br>or tuning or tun\$3))   | USPAT              | OR | ON | 2008/09/22<br>12:17 |
| S35 | 168   | S34 and "422".clas.  | USPAT              | OR | ON | 2008/09/22<br>12:17 |

|     |      |   |                              |    |     |                     |
|-----|------|---|------------------------------|----|-----|---------------------|
| S36 | 150  | S34 and (biosensor)   | USPAT                        | OR | ON  | 2008/09/22<br>12:21 |
| S38 | 1    | "4897541".pn. and<br>(resonan\$4 or resona<br>\$5)  | USPAT                        | OR | ON  | 2008/09/22<br>12:30 |
| S39 | 1    | "5982534".pn. and<br>(hybrid\$ or<br>hybridization or<br>hybridisation)   | USPAT                        | OR | ON  | 2008/09/22<br>12:32 |
| S41 | 120  | S34 and (biosensor)<br>and fluoresc\$   | USPAT                        | OR | ON  | 2008/09/22<br>12:32 |
| S42 | 0    | "5982534".pn. and<br>frequency  | USPAT                        | OR | ON  | 2008/09/22<br>12:35 |
| S43 | 1    | "5982534".pn.   | USPAT                        | OR | ON  | 2008/09/22<br>12:41 |
| S44 | 23   | ("2039219"  <br>"3432275"   "3705000"<br>  "3879106"  <br>"4896966"   "4906083"<br>  "5033834"  <br>"5315375"   "5326398"<br>  "5417576"  <br>"5545561"  <br>"5665599").PN. OR<br>("5982534").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/09/22<br>12:41 |
| S46 | 1559 | (laser near4 (tunable<br>or tuning or tun\$3))<br>and "359".clas.   | USPAT                        | OR | ON  | 2008/09/22<br>12:44 |
| S47 | 6    | (laser near4 (tunable<br>or tuning or tun\$3))<br>and "359".clas. and<br>(biosensor)  | USPAT                        | OR | ON  | 2008/09/22<br>12:44 |
| S48 | 149  | (laser near4 (tunable<br>or tuning or tun\$3))<br>and "359".clas. and<br>(fluorescence)   | USPAT                        | OR | ON  | 2008/09/22<br>12:45 |
| S49 | 1    | "5637458".pn.   | USPAT                        | OR | ON  | 2008/09/22<br>12:49 |
| S50 | 1    | "5637458".pn. and (tun<br>\$4 with laser)   | USPAT                        | OR | ON  | 2008/09/22<br>16:04 |
| S51 | 17   | (laser near4 (tunable<br>or tuning or tun\$3))<br>and "359".clas. and<br>(fluorescence) with<br>(organic or inorganic<br>or dna or protein or<br>peptide or rna)                                    | USPAT                        | OR | ON  | 2008/09/22<br>16:06 |

|     |     |  |       |    |    |                     |
|-----|-----|--|-------|----|----|---------------------|
| S52 | 22  | (laser near4 (tunable or tuning or tun\$3)) and "359".clas. and (fluorescence) same (organic or inorganic or dna or protein or peptide or rna) | USPAT | OR | ON | 2008/09/22<br>16:07 |
| S53 | 1   | "4917462".pn. and (wavelength or range)  | USPAT | OR | ON | 2008/09/22<br>16:35 |
| S54 | 0   | "422".clas. and biosensor and wavelenth same sweep \$4   | USPAT | OR | ON | 2008/09/22<br>16:39 |
| S55 | 37  | "422".clas. and biosensor and sweeping   | USPAT | OR | ON | 2008/09/22<br>16:39 |
| S56 | 167 | "422".clas. and biosensor and wavelength near4 rang \$4  | USPAT | OR | ON | 2008/09/22<br>16:40 |

9/ 23/ 2008 4:52:55 PM

C:\ Documents and Settings\ nturk\ My Documents\ EAST\ Workspaces\ 10549991.wsp